

## STUDIES ON HYMENOPTERA ICHNEUMONIDAE

### IX. THE RUDOLF JUSSSEL'S COLLECTION

Franco Frilli

Istituto di Difesa delle Piante  
Universita degli Studi - Udine, Italy

In the latest decades many researchers have been studying the old Ichneumonidae collections in order to get and study types, which are necessary for revisions of genera or various systematic groups. Moreover, some colleagues are very interested in Jussel's Ichneumonidae collection which is in Italy at present.

We know very little about Rudolf Jussel, the entomologist who taught at Bregenz (Austria). His only publication on Ichneumonidae "Beiträge zum voralberg'schen (österreichischen) Insektenfauna" show that in 1907 (the date of its issue) he owned an entomological collection of 3700 species, as the result of his 16 years collecting.

Horn and Kahle (1935-37) mentioned that in 1932 the sawflies of that collection reached A. Doderò in Genoa, through A. Winkler. The Diptera were given to "Pietro Rossi" Entomological Museum of Duino (Trieste)\*. The remaining Hymenoptera specimens were included in Albert Winkler's private collection in Vienna in about 1925.

In 1945, when Albert Winkler died, his Hymenoptera collection was bequeathed; later on, his heirs sold it. In 1960 Università Cattolica del Sacro Cuore (Italy) bought all the available Ichneumonidae of Winkler's collection for the Entomological Institute of Agriculture Faculty at Piacenza: and they are still there. Most of the identified specimens belonged to R. Jussel's collection. They are easily identifiable because they are prepared and labelled in an uniform way. Beginning from the top, each specimen has three labels:

- the first one points out the sex and date of collecting;
- the second one points out the place of collecting;
- the third one has a black frame and points out the identification.

The specimens coming from other collections (it is easy to notice that many of them were previously included in O. Schmiedeknecht's, O. Staudinger's and R. Schmidt's collections) have the black framed labels with the identification written by Jussel, but the other indications are missing or are different. Sometimes we can find also labels with the identification by E. Clement, O. Schmiedeknecht and others.

We cannot be sure whether the collection of Piacenza includes all the Ichneumonidae of Jussel's original collection or if there were intentional or accidental reductions. Some of Jussel's Ichneumonidae were probably lost or are elsewhere. Some of the specimens mentioned in Jussel's work (1907) (e.g., *Ichneumon patruelis* Holm., *Lissonota antennalis* Thoms., etc) are not there, and among them some specimens which were certainly included in Jussel's collection (see Schmiedeknecht, 1902-36, I, p. 212 for *Pyramidophorus flavoguttatus* Tisch. and III, p. 1208 for *Glypta lineata* Desv.).

At present, there are 1541 specimens labelled by Jussel, arranged under 771 species, representing the following subfamilies (*sensu* Schmiedeknecht):

\* Today in Museo Civico di Storia Naturale, Minano (Italy).



Ichneumoninae: 388 specimens belonging to 172 species;  
 Cryptinae: 256 specimens belonging to 138 species;  
 Pimplinae: 222 specimens belonging to 86 species;  
 Ophioninae: 359 specimens belonging to 192 species;  
 Tryphoninae: 316 specimens belonging to 183 species.

The specimens are very well kept, mostly collected in Austria; but there are also specimens from Syria, Tunisia, etc.

It is certain that other specimens of different origin were added to the ones labelled by Jussel. Some specimens have indications similar to Jussel's. Many others were probably added by Winkler. There are 217 specimens that were partly added to already existing species and partly belong to 62 species which Jussel did not have (there are no specimens with Jussel's labels). These are:

	Added specimens	Species probably not owned by R. Jussel
Ichneumoninae	64	23
Cryptinae	16	5
Pimplinae	98	21
Ophioninae	37	12
Tryphoninae	<u>2</u>	<u>1</u>
	217	62

The following species are of some significance:

**"Euthycryptus scrobiculifer n.g., n. sp."**

Jussel, 1907. Voralb. Landes-Mus. Bregenz, Jahresber. 44: 71. F.

It is the only specimen which perfectly correspond to the description. It is certainly the holotype. "23.7, F", "Hochgerach", "Eutycryptus scrobiculifer Jussel". Horstmann (*in litteris*) is planning a revision of genus group, which will facilitate its identification.

**"Ghathophya mediterranea Schmiedeknecht"**

Schmiedeknecht, 1900. Term. Fuzetek 23: 239. M, F.

There are four specimens (1 F and 3 M) with only one identification label by Schmiedeknecht: "*Ghathophya mediterranea* F, M, Schmiedeknecht Tunis". Therefore, the collecting place is Tunisia.

Schmiedeknecht quotes south Italy, Algeria and Tunisia as "Terra typica". The species (according to Oehlke and Horstmann, *in litteris*) is also present in Berlin Museum (1 M and 1 F); but no designation of types has been published till now. Correct name: *Odinophora mediterranea* (Schmiedeknecht).

**"Hemiteles n. sp."**

One specimen with Jussel label "Hemiteles n. sp. Jussel". Correct name: *Hemiteles vicinus* (Gravenhorst) (Teste Horstmann, *in litteris*).

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